

FIGURE 1

C-2'-O-Benzoyl Migration Chemistry

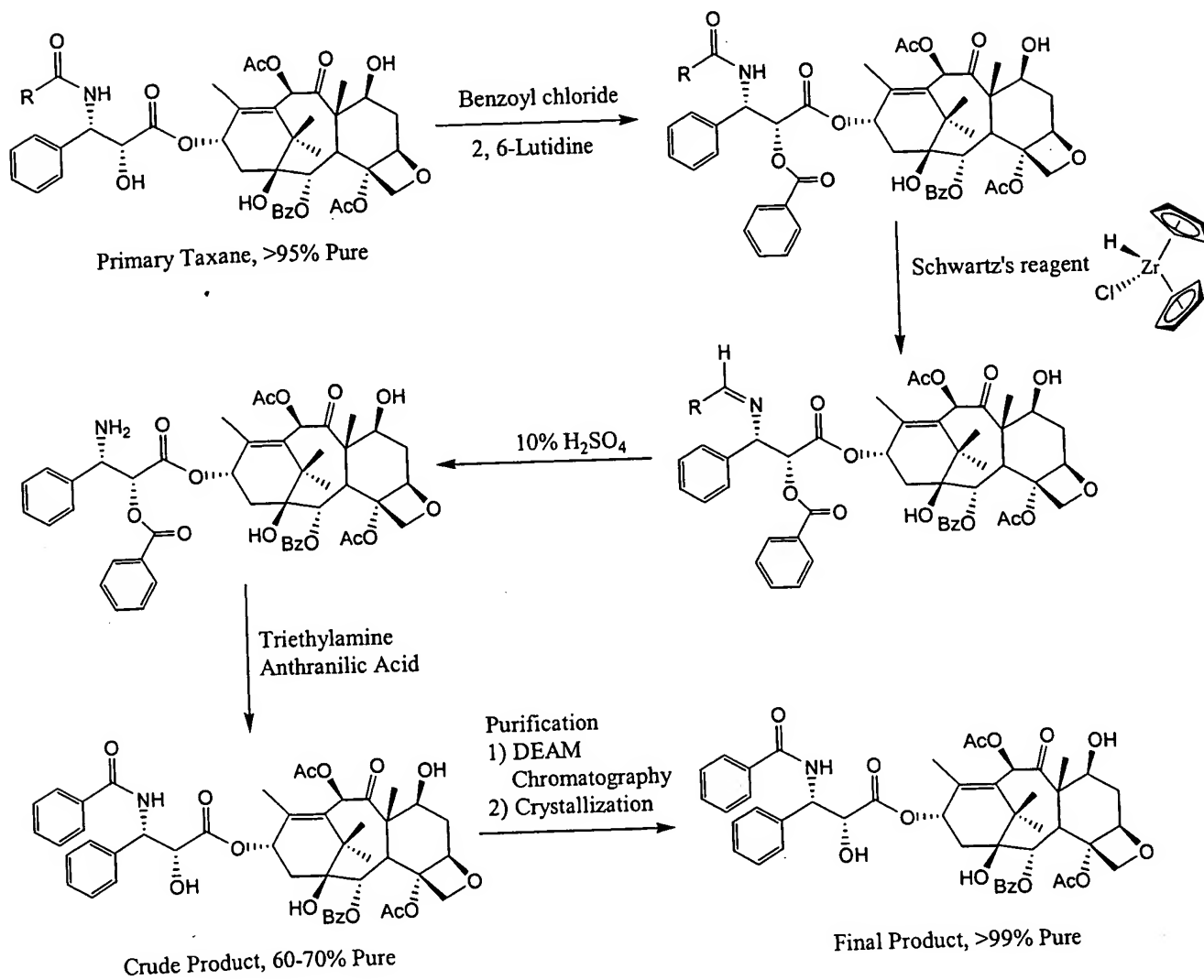


FIGURE 2

Primary Amine Conversion Chemistry

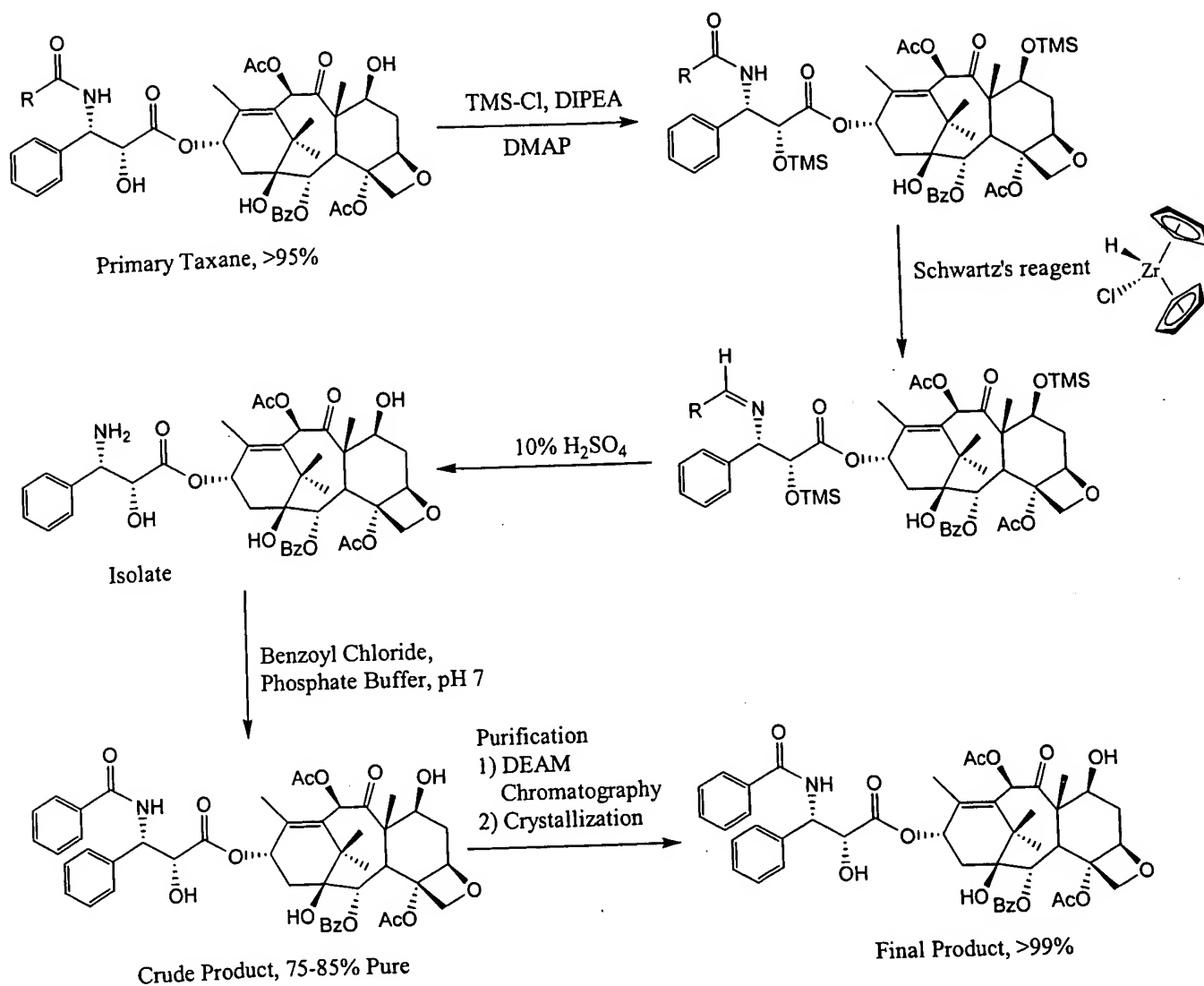


FIGURE 3

Bench Test With Semi-Purified *Taxus Brevifolia* Extract

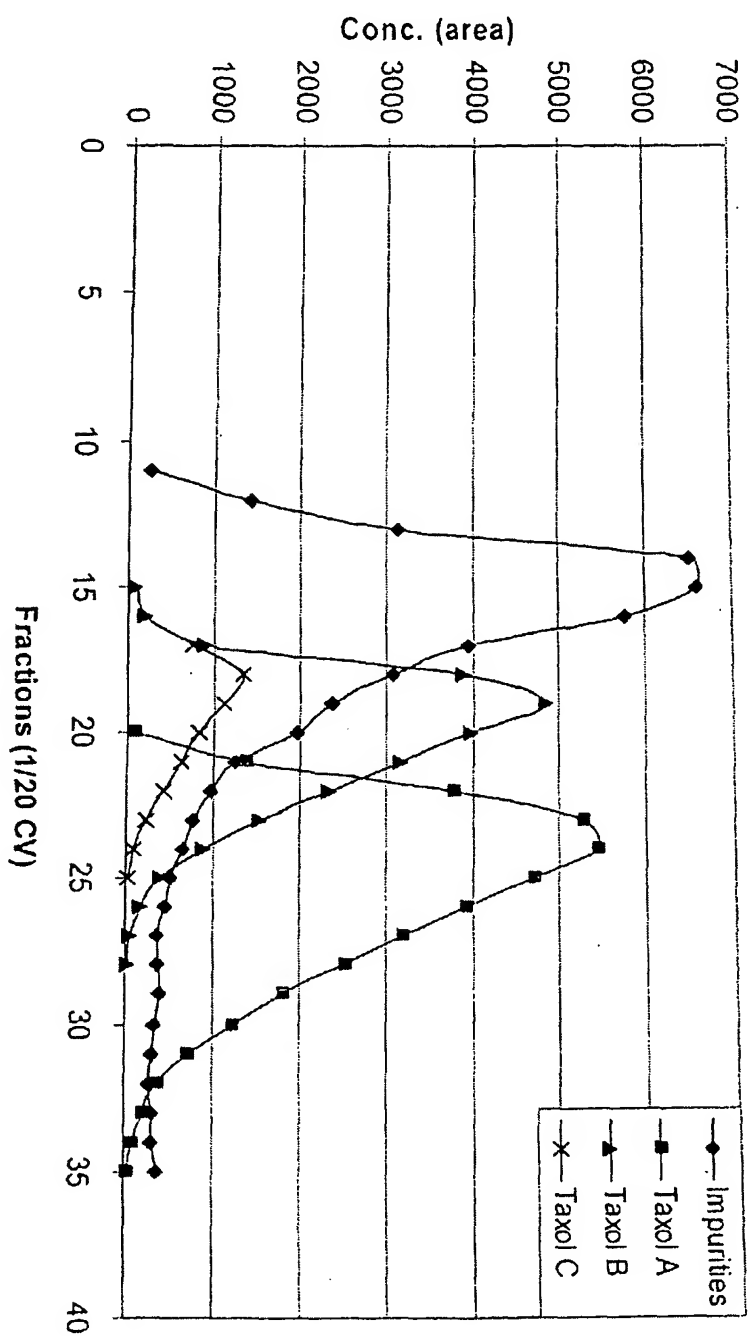


FIGURE 4

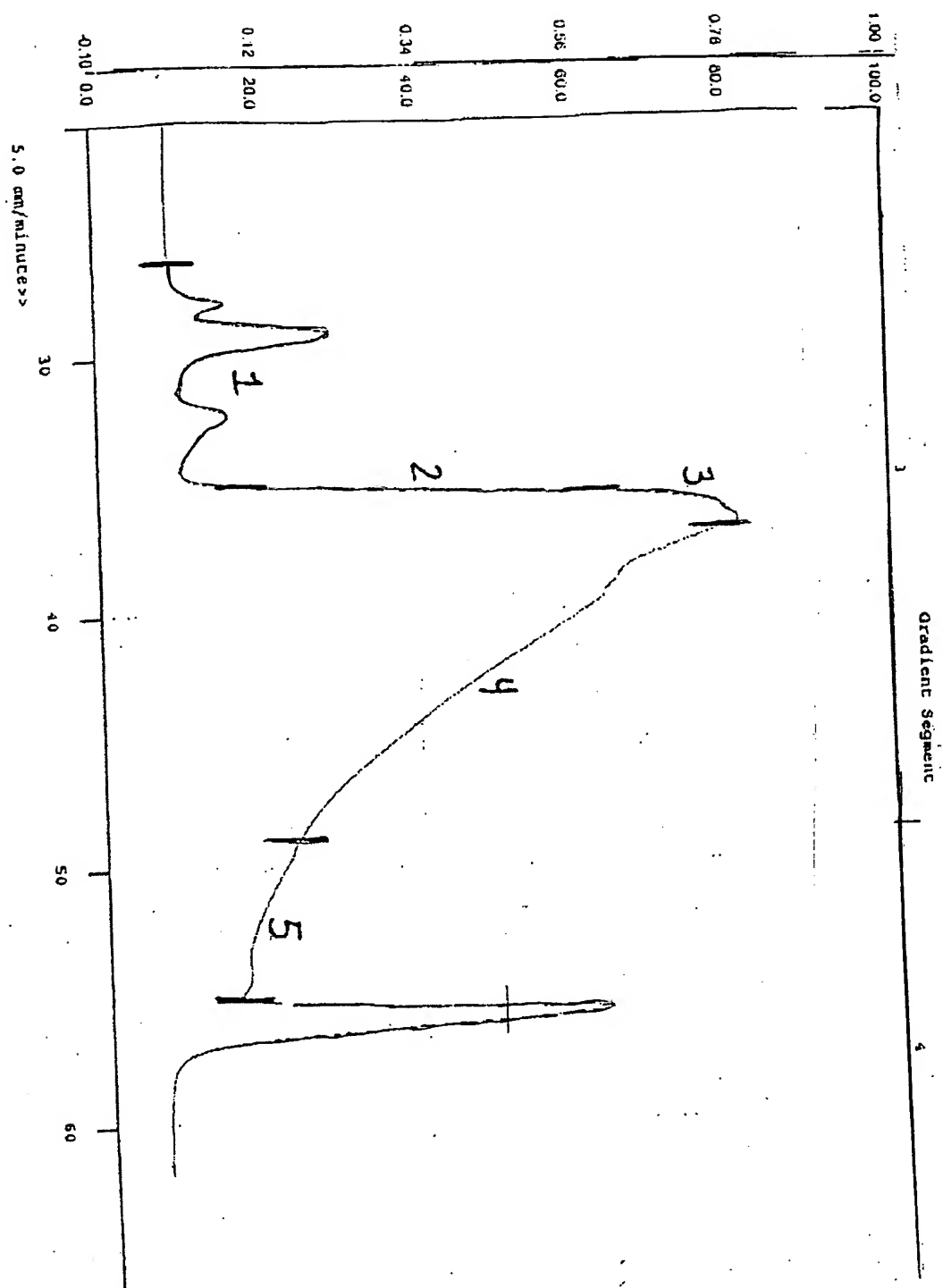
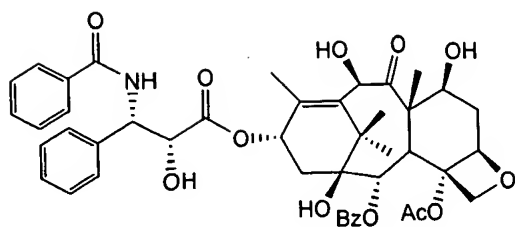
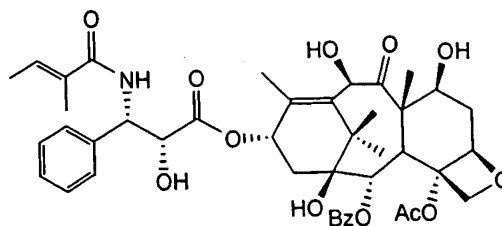


FIGURE 5

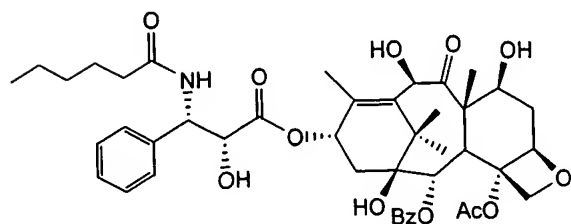
Taxane Molecules



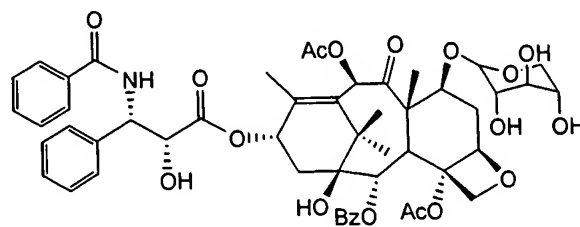
10-Deacetyltaxol A



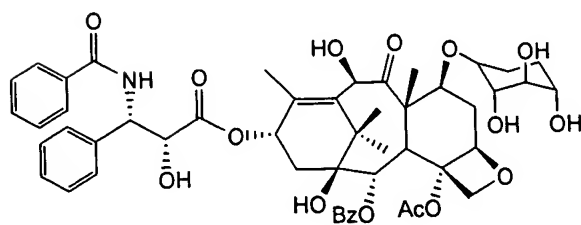
10-Deacetyltaxol B



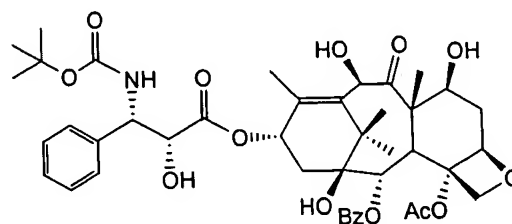
10-Deacetyltaxol C



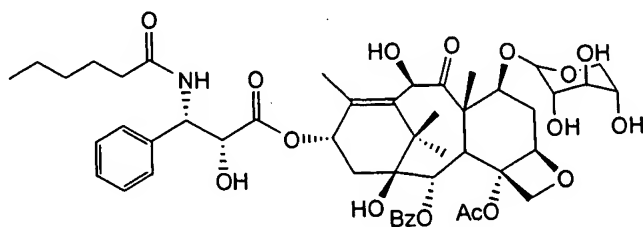
7-Xylosyltaxol A



7-Xylosyl, 10-deacetyltaxol A



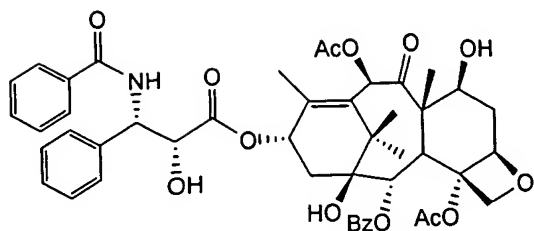
Docetaxel



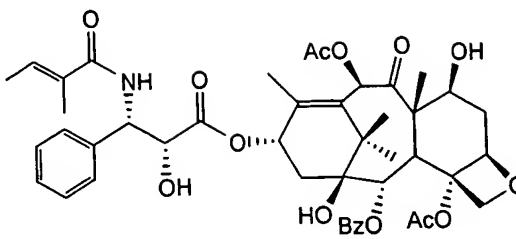
7-Xylosyl, 10-deacetyltaxol C

FIGURE 6

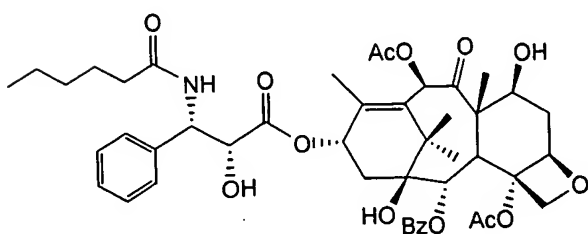
Primary Taxanes



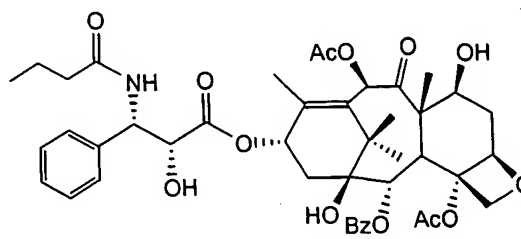
Taxol A



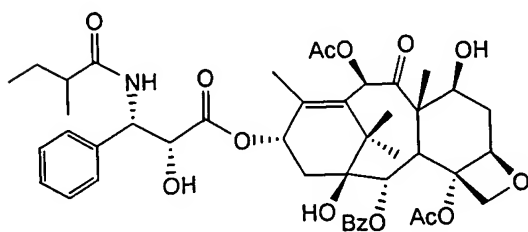
Taxol B



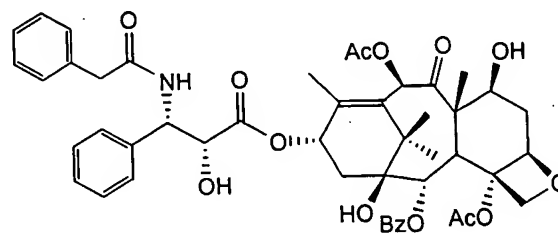
Taxol C



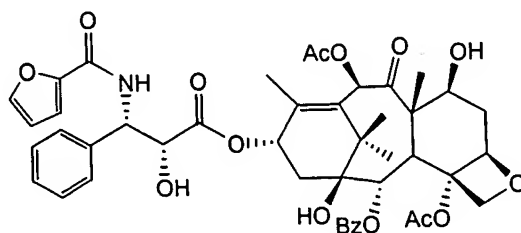
Taxol D



Taxol E



Taxol F



Taxol G

FIGURE 7

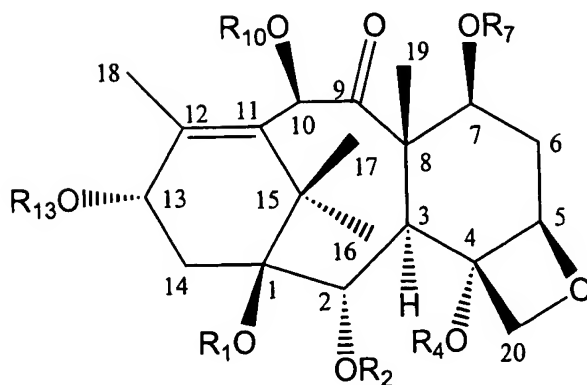


FIGURE 8

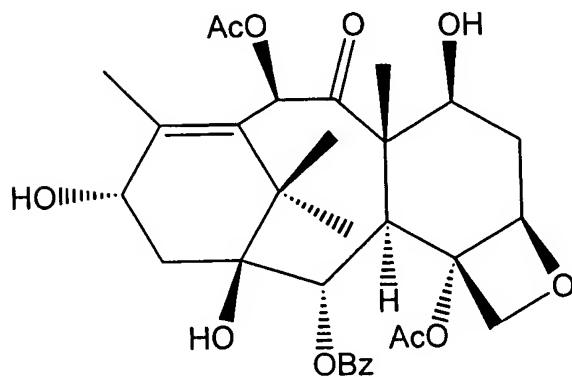


FIGURE 9

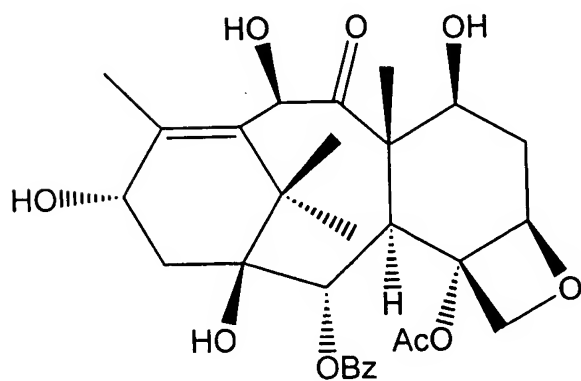


FIGURE 10

Comparison of Retention Times of Taxane Standards on Differing Media

	C-18 ¹		Silica ²		PEI ³		DEAM ⁴	
Taxane	Rt ⁵	Rel Rt ⁶	Rt ⁷	Rel Rt ⁶	Rt ⁷	Rel Rt ⁶	Rt ⁷	Rel Rt ⁶
10-Decetyl-Baccatin III	3.3	0.16	27.9	2.53	11.7	0.92	9.7	0.73
Baccalin III	6.3	0.31	11.1	1.01	5.5	0.44	5.6	0.42
10-Decetyl-Taxol	12.5	0.61	26.8	2.43	55.2	4.36	41.6	3.13
Cephalomannine	18.1	0.88	12.7	1.15	8.9	0.71	8.9	0.67
10-Decetyl, 7-epi-Taxol	19.8	0.97	7.6	0.69	12.0	0.95	10.9	0.82
Paclitaxel	20.5	1.00	11.0	1.00	12.6	1.00	13.3	1.00
Taxol C	25.3	1.23	11.1	1.00	7.8	0.62	7.6	0.57
N-Methyl-Taxol	25.9	1.26	14.9	1.35	6.2	0.49	5.7	0.43
7-epi-Taxol	29.4	1.43	6.2	0.56	8.1	0.64	8.3	0.62
N-Methyl-Taxol C	36.4	1.78	11.7	1.06	4.9	0.39	4.7	0.35
2-Benzoyl-Taxol	42.2	2.06	5.9	0.54	4.3	0.34	4.3	0.32
iso-Cephalomannine	---	---	---	---	---	---	11.9	0.90